Expert Tells of Ways to Overcome Balky Motor on Cold Mornings.

On these frosty mornings when the seems cranky the new car owner clined to say unkind things about manufacturer and the engine. the manufacturer and the engine. It ten't the fault of the engine at all, according to H. C. Brokaw, principal of the automobile school of the West Side T. M. C. A., 318 West Fifty-seventh street. He says it is because "the gasolene doesn't gaa." However, there is a solution of the problem, at least enough of a remedy to make life a little happier for the owner. Here is what he mays along this line:

"When the car is started in a warre garage the gasolene will probably apported and the engine run in good shape, but as soon as the car goes out into the cold air it will cool the engine so that some of the gasolene will be condensed. Therefore we close the radiator cover partly or wholly until the en-

so that some of the gasolene will be condensed. Therefore we close the radiator cover nartly or wholly until the engine is thoroughly warmed. If the car is started in a cold sarage, the teals started in a cold sarage, the teals and dishrag method must be reserted to. Wrap the cloth around the carbureter so that it does not cover the air intake and pour the boiling water on the rag, taking care that none gets in the air intake. The hot water will heat the carbureter and intake pipe and raise the temperature of the mixture so that the engine will run. In some cases it may be necessary even to drain out the cooling system and fill it with hot water, so that the combustion chamber is heated up.

"It is true that gasolene now sold has greater heat producing quality if only me can get it properly mixed and volatified. It may be that the gasolene or the market, have been of real service to auto men once we have learned to utilize the new gas economically and efficiently. They may have had in mird the higher power, but they have given us a gas which is very hard to vaporize on a frosty morning. Some time soon probably the carbureter men will catch up and give us a vaporizer which will handle it. Until they do we will have to look for means of overcoming the difficulties now experienced, and it is largely a question of warming up the difficulties now experienced, and it is largely a question of warming up the largely a question of warming

changing gasolene from liquid to considerable heat must be sup-Whin the atmospheric tempera-is too low there is not sufficient in it to vaporize the gasolene red into the carbureter. When the is is warm the process of vaporizaa goes on from the needle valve to the seember of ignition, but if the engine be a the process is retarded more or less, a under some conditions it is possible thoroughly vaporized gasolene to be in condensed. The man who does to understand is inclined to say uncommentary things about the engine and it about the engine and it into the carbureter. Practically the carbureter manufacturers by the carbureter manufacturers put out wave to heat the air before we had it into the carbureter manufacturers put out wave to heat the air supply.

"As the weather becomes colder it will found no essary no doubt to close up a radiator more and more in order to specification. High engine temperature up to the fint where the water in the cooling eyem begins to boil is desirable from the substance of an analysis of the new quarters in the Circle Building, on Broadway near Fifty-into the process is retarded more or less, and the specific Building, on Broadway near Fifty-into the process is retarded more or less, and the specific Building, on Broadway near Fifty-into the process is retarded more or less, and the specific Building, on Broadway near Fifty-into the process is retarded more or less, and the specific Building, on Broadway near Fifty-into the process is retarded more or less, and the process is retarded with a promotion for each of them.

WALTER WOODS.

WHALTER WOODS.

It was promotion for each of them.

H. H. Hills, alse smanager, is much as promotion for each of them.

It is confidently seember and his competent at the process of the specific seems and the recent remarkable development of the new later of each of them.

WALTER WOODS.

WHALTER WOODS.

In the recent remarkable development of the many who the season of them.

In th on goes on from the needle valve to the Il the cartureter manufacturers put out

point where the water in the cooling eys-tem begins to boil is desirable from the standpoint of efficiency, and if no trouble is experiented with irregular running the hotter the expine is the larger amount of power developed.

The manufacturer (Hudson) has in-exported in the radiator a shutter-file device by means of which the amount of air admitted may be regu-lated from the driver's seat. Doubtless others will follow or find an equally good substitute.

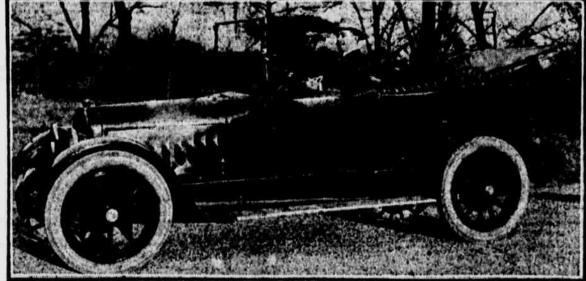
ow made now be procured at trifling spense; one may simply put a piece of ardboard over it. I was out without a cover recently and the engine did not work right, as I stopped when I came to a newaboy and hought a paper and tied to over the radiator. I got home all right with the decide. "One of our men complained the other

"One of our men complained the other day that his car would start out fine and run all right as long as he was going away from home, but as soon as he turned homeward it would begin to act up. He wanted to know if I thought the car had the wanderlust. Inquiry developed the fact that the trips he spoke of the going trip were with the wind and returning were against it. The added force of the wind over the engine cooled the engine too much and he was advised to cover the radiator under such circumstances. He has reported no treuble He has reported no trouble

"Of course sometimes the skipping may be overcome by enriching the mix-ture by the dash control, but with the

This Velie Coupe Seats Four.

Old Peerless Representatives Sell New Peerless Car.



liere is the Peerless eight criinder, seven passenger touring car, now being handled in the repolitan district by the Van Cartinudt Vehicle Corporation at 1896 Breadway, corner of Sixty-third street. Sales Manager J. A. Clark is at the wheel. Walter Woods, well known in the trade, is vice-

Touring Information. To meet the steadily growing demand for accurate and authentic touring in-formation, the American Automobile As-sociation is establishing a branch bureau in the uptown automobile district. The



Daniels 8 Speedster Is New Arrival.

motor cars here for many years, and is widely known in motor car circles. The Van Cortlandt Vehicle Corperation sales and service stations are now open at Sixty-third street and Broadway and Sixty-fourth street and Broadway respectively. A special exhibit of Peerless cars is being arranged by the new distributers for the week of the National Automobile Show.

The Peerless Motor Car Company is now executing plans at its Cleveland factories for redoubling its output of the model 56 eight cylinder car. The great power and great tire and gasolene economy that are characteristics of this car have given it a distinctive place in

car have given it a distinctive place

tion has placed orders that will assure prompt delivery of Peerless cars in the various body styles in large quantities.

PACKARD PROMOTIONS.

Hen Go Up the Line for Paithful Service.

HOW TO KEEP DOWN

W Peerless Car.

HOW TO KERP DOWN
YOUR TIRE BILL

Mileage Can Be Doubled by Proper Attention to Pressure and Small Abrasions.

If time, expense and trouble are to be at all considered there is no more important question relative to the running of a motor ear than the cars of the start that as a general thing there is little proportionate attention, says little proportionate attention, as well as growing the fabric for this purpose. If the motorait has doubting the start that as a general thing there is little proportionate attention, as well as growing the fabric for the purpose. If the motorait has doubting the start that as a general thing there is no more active to the start that as a general thing there is no part of the machine which receives as little proportionate attention, as well as growing the fabric for this purpose. If the motorait is only the care and the care of the start that as a general thing there is no part of the machine which receives as little proportionate attention, as well as a general thing there is no part of the machine which receives as little proportionate attention, as well as a growing the fabric for the purpose. If the motorait is an attention to part of the machine put the care of the start that as a general thing there is not too large. The provided of the start that as a general thing there is not too large. The provided of the start that as a general thing there is not too large. The provided of the start that as a general thing there is not too large. The provided of the start that as a general thing there is start that as a general thing there is start that as a general thing there is little proportionate attention, as well as the other of the machine of a piece of glass of of the transition of the motoraid of the start that as a general thing there is not too large. The provided

chine would be money in if he would, in addition to counting the miles per gallon, give the care and repair of the casing a little more attention.

One of the big items in operation of the modern tire factory is that of making replacements—giving a new tire in the place of a worn out or ruined casing which when purchased was guaranteed for a given number of miles. Frank R. Carroll. Los Angeles. Cal. manager l. Carroll, Los Angeles, Cal., manager of the Goodrich Rubber Company, stated ecently that fully 75 per cent. of the tires akeh back to him as "defective" in some particular are not defective at all, but have simply been muliceted to some sort of abuse or misuse. Many motorists purchase casings with the feeling that if the tires do not run out the full guar-antee of 3,500 or 5,000 miles, regardless of the treatment given them, replacements or mileage can be secured from
the tire company. They do not figure
that with proper treatment those same
casings will as a rule make from \$.000
to 10,000 miles and sometimes more,
thereby giving the motorist several thou-

Alvan Macauley, president of the Packard Motor Car Company, has announced a series of important changes in the administrative and selling organization. The part which three department heads in particular have played in the recent remarkable development of the Packard company is recognized with a promotion for each of them.

H. H. Hills, sales manager, is made assistant general magager, and thus gets a broader scope for his proved executive ability. C. R. Norton, manager of the truck sales department, is promoted to general sales manager. G. R. Burry, manager of carriage sales, is raised to assistant general sales manager.

"These promotions are earned by diligent, conscientious devotion to the company of the particular cause of trouble will."

This particular cause of trouble will.

The motorist several thouseand more miles than he would receive otherwise, even with replacement, not to mention the assurance of having a set of good tires under the car.

Of the many ways in which the casing its subjected to abuse possibly the two most common are overloading and under inflation, the results of which are identical. That these misuses have been given a tire is indicated either by a wavy condition of the tread, showing that the "adhesive friction" between the layers of the fabric has become overheated through this cause, or by bad cuts along the side walls or along the rim. A rim cut tire is an easy victim to blowouts. Unquestionably there are more tires ruined on account of under inflation than from any other one cause, This particular cause of trouble will rim. A rim cut tire is an easy victim to blowouts. Unquestionably there are more tires ruined on account of under inflation than from any other one cause. infistion than from any other one cause. This particular cause of trouble will not only result in a ruined casing, but is also responsible for tube troubles. Common sense will tell one that if the tire which is run soft is indented by a curbing or stone until the tread bumps against the beading or rim the soft inner tube within it is bound to suffer. Keep the tires pumped to the pressure recommended by the manufacturer. Sometimes a tire may be run for weeks after the fabric has been broken before the blowout occurs. The blowout may occur while the car is standing in the garage or on the street. Sometimes a few of the piles of fabric were broken this opening sufficiently to pinch the

a few of the piles of fabric were broken, this opening sufficiently to pinch the inner tube, allowing the tire to defiste gradually. Another cause of trouble similar to the stone bruise comes through rough handling of the cargoing into the curbing. A sharp corner of the curbing coming in contact with the side wall of the tire causes an injury which not be noticed at the time, but

rear tires skid during the turn is another common and costly error of the average motorist. Skidding around one corner may do the tire more harm than running for miles straight ahead on the improved roads. There is really no call for rounding the corner on the jump, and the fellow who does it generally pays for his sport in lost mileage. The same is true about locking the brakes and sliding the rear wheels. There have been times, when the machine has been carrying a good load at a pretty good speed, that the locking of the brakes has resulted in a whole section of the tread being torn from the tires. The first thinks of in a case of this kind is that thinks of in a case of this kind is that the tread of the tire is defective, and the tread of the tire is defective, and back to the seller goes the tire, pro-vided it has not gone the required distance. Little do many of these fel-

distance. Little do many of these res-lows who take tires back on account of defects realize that at a glance the tire men can tell the real cause of nine-tenths of the average tire mishaps. Another cause for a lot of the returns Another cause for a lot of the returns, the tire men tell us, is the using of a straight sided tire on a clincher rim. There being no lip on the bead of a straight sided tire, it naturally follows that there is only one narrow line of contact between the clinch of the rim and the bead. This results in a ridge

in perfect alignment, but after being of the tire. A tire in this condition is run a while the steering gear if neg-lected is very apt to become affected.

The motorist should remember that

the driver's ear. Then pressing another button the owner begins to talk in a natural tone of voice, and although en-

There being no lip on the bead of a straight sided tire, it naturally follows that there is only one narrow line of lights are two flush pillar lamps on the contact between the clinch of the rim and the bead. This results in a ridge being gouged into the side of the bead, this often causing the head to loosen and this often causing the head to loosen and become entirely worthless. Then, too, the clincher tire is sometimes placed upon the straight sided rim. This often results in the bead becoming flattened and tearing loose from the remainder.

There are ten lights in and on this reference to load, speed and manceuvring lights are two flush pillar lamps on the possible to design an aeroplane with reference to load, speed and manceuvring the there is a striking litter as skilled aviators. They have been trained oped since 1910 a small body of highly bed skilled aviators. They have been trained oped since 1910 a small body of fightly skilled aviators. They have been trained oped since 1910 a small body of the roof what is known as an "opera law is the small body of fightly skilled aviat

HENRY JOY TURNS TO AERONAUTICS

Federal Government May Se. lect His Field as Regular Flying Station.

The aeronautical field which Henry B. loy, chairman of the board of directors of the Packard Motor Car Company, has developed near Detroit within the last two years, entirely at his own expense secupled much of the attention of ommittee of the National Advisory Committee for Aeronautics on its recent visit to Detroit in the course of a tour of the important manufacturing centres of the country.

The army and navy representatives, Government officials and engineering cientists who made the inspection congratulated Mr. Joy warmly on his prevision in selecting the site. They charactorised it as one of the best fields in the United States for aeronautical pur-poses. Their expressions generally were such as to encourage the belief that the Joy field will be designated as one of the aeronautical stations of the United States Government.

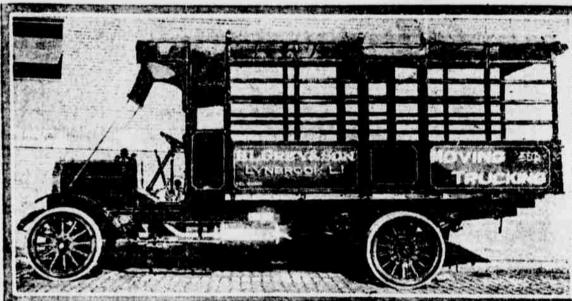
The field is twenty-seven miles north east of Detroit, a level expanse of 576 acres on the shore of Lake St. Clair. It

The Buick Motor Company is showing a town car containing unusual lighting and signalling devices. Installed inside the body is a dictograph, and when the owner wants to speak to the driver all, he does is press a button on the window sill. This sounds a small horn near the driver's ear. Then pressing another

treily enclosed, he is heard distinctly by soon be a practical reality in the many the man in the front seat. It does away the man in the front seat. It does away services of the Government and also in with all talking through a tube. With the dictograph attachment the driver can get his instructions distinctly above all traffic noises.

There are ten lights in and on this to be possible to design an aeroplane with the control of the con

This Diamond T. Truck Has Great Mileage Record.



Here is a Diamond T truck which has handled this line of trucks for only one being removed on the ground covered 22,000 miles in the line of duty year, he has sold more than one hundred give more room for a thorough display without tire or repair expense. It is used thus lastic over the work they are doing.

Finished in a variety of rich colors, the ex-quisitely handsome upholstery puts the popu-

The up-to-the-minute Mitchell chassis, combined with many distinctive features including indirect lighting, frameless windows, concealed ladies' toilet case, cigar lighting set, etc., offer a combination of luxury never before achieved, attaining

THE LAST WORD IN THE BODY BUILDERS' ART.



DELIVERED IN NEW YORK. READY FOR IMMEDIATE DELIVERY MITCHELL MOTOR CAR CO. " New York

Mitchell Broughams & Landaus

Now on Exhibition

lar Mitchell in a class to be envied.



PHONE 8000 COLUMBUS

may not be noticed at the time, but which so weakens the layers of the fabric that at a later date serious trouble results. Serious common trouble which east the common trouble which again the express business on Long Island in the Express business on

Magnificent Limousine Mounted on Famous Chandler Chassis \$2750

Specially designed for those who lead in New York's smartest circles, this car excels in beauty, dignity and luxuriousness. Not the slightest detail has been overlooked in equipment. Bodies are of aluminum, patterned along classic lines. With seat back and cushions excepted, interiors are trimmed plain, in imported fabrics of colors that blend harmoniously with the stately mahogany paneling. Perfect ventilation is assured. Extra folding seats are conceased when not in use. There are concealed quarter lights, toilet articles, etc. Fully equipped, this Chandler weighs but 3200 lbs., which keeps fuel cost at 16 miles per gallon of gasoline, 1000 miles per gallon of oil and 6000 to 7000 miles on one set of tires. Do not buy a Fall car until you arrange for a demonstration with this magnificent Limousine.

Purchase the car you are going to use this winter, during November Chandler price advances December 1st.

BRADY-MURRAY MOTORS CORPORATION

New York's Most Complete Motor Car Institution 1884 Broadway, at 62nd Street

Telephone, 9175 Columbus W. C. P. MOTOR CAR CO. C. T. BECKMAN & SON CHANDLER WOTOR CAR CO., CLEVELAND, O

Brans Munpay Mo'ors Coupe

The Velle Company is one of the few big companies able to postpone a price advance until January 1 and thereby give prospective buyers "a next year's car for this year's price." The company is rather proud of the fact that its business foresight enables it to quote present prices on all cars delivered before January 1. Cars delivered after that date will cost \$50 more aplece.

Community on the situation George.

Community on the situation George.

Community on the situation George.

uary 1. Cars delivered after that date will cost \$50 more apiece.

Commenting on the situation, George Garland, distributer for the Velle in this territory, said:

"We have a few cars to deliver at \$1,085, and it would be well for prospective buyers to see them within the baxt few days, because they are being smapped up rapidly.

"The coupe shown in the illustration above sella for \$1,085. During the development of the all-reason type of bedy there has been an insistent demand for a four passenger coupe, light in construction, capable of being freely epishem of requires, but beyond all, attractive, roomy and comfertable.

"In the makeup of the Velle coupe, the"

Saxon sales have shown a big increase since George S. Morrow assumed control of the local interests of the car.

"The seating arrangement provides attractive ample room for four passengers. The diviver's position is slightly ahead of the two passengers adjacent to him. Unhampered driving freedom is secured in this way, while the passengers coupe in this way, while the passengers entire the two passengers and general offices on Broadway near Fifty-sixth street Morrow has turned the two passengers and general offices on Broadway into head on a stationary pedestal and may be revolved into any desired position.

"Velle sales have increased beyond expectation the past year. The progressive assembly system has been installed and every facility of over a mile of factory is being applied in an endeavor to keep up with the demand. The presentation is along responsible for keeping the necessary advance down to the car.

"In the would be well for prospects.

"Yell sales have shown a big increase since George S. Morrow assumed control of the local interests of the car.

"The seating arrangement provides in particular and diving freedom is secured in this way, while secured in this way, while the passengers and general offices on Broadway into head quarters for used cars and special long experience in this included in the control of the local interests of the contro

information for both the city man and has been enjoyed there. It is difficult to nine years—a period in which the com-

This Daniels "Eight" Speedster is one of the new arrivals on Automobile Row. It is a very attractive, speedy looking car, beautifully finished and mounted on a regular Daniels chassis and graved

up to do seventy-five miles an hour. The car is now on exhibition in the salesrooms of the A. Elliott

Ranney Company, metropolitan distributors, at 244 West Fifty-ninthstreet.

time by the dash control, but with the present heavy gasolene the enriched anixture does not seem to do much good and it is simply adding to the supply of gasolene which already is refusing to the bureau as suits his convencience. Therefore it seems to be a cold engine for heat results."

The metropolitan consulate division of the A. A. has been quietly but persistently working, year after year, and that the business is limited only by the ability of the company to deliver the sistently working, year after year, and through its resultful efforts. It is expected that the uptown branch bureau as peed was proved a few days ago on the sheepshead Bay speedway, when a sleek four cylinder car, partially stripped covered the distance round the track at the rate of \$3 miles per bour.

The car was driven by William R. M. Wery, alse manager of the least at the rate of \$3 miles per bour.

The car was driven by William R. M. Wery, alse manager of the least. Franchini Motor Company and was witnessed by a number of motor enthusiasts.

In formation for both the city man and the whom and long enough to disconded the whole on make cords on hand long enough to disconded the wistor on hand long enough to discondent the vistor on hand long enough to discondent the vistor on hand long enough to discondent the vistor on hand long enough to discondent the rate of two a day since the opening.

Retall Sales Manager Fred Titus says that the business is limited only by the of the company to deliver the sale of two a day since the opening.

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Retall Sales Manager Fred Titus says the r

The work of acquiring the proper setting for these fine cars in Eastern territory fell on the shoulders of E. S. Partridge, the Eastern sales manager, and he has made a splendid job of it. The enlargement of the local salesroom and the new decorative and lighting features installed there have brought out all the elegance of this car by giving it ap-

pealing surroundings.

Throughout the East all the Owen Magnetic forces have begun a splendid "drive" to put the car where it belongs.

Julian Halford, manager of the Owen Magnetic Car Company of Philadelphia, reports a tremendous demand for the car in that city since it was introduced in a suitable setting. He says the cars are literally rolled off the floor so that enthusiastic owners may get immediate use of them.

Carl Brozell, who for ten years was secretary of the Simplex Company, has taken the northern part of New Jersey as his sales territory for the Owen Mag netic, and has opened a beautiful sales-room at 12 William street. Newark. This indorsement of the car by a practical automobile man of long experience is particularly gratifying to the Ower